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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
08/472,876	06/07/1995	ARTURO J. GARCIA	TRD-001-IA	1080	
29673	7590 05/05/2004		EXAMINER		
STEVENS & SHOWALTER LLP			MEI, XU		
7019 CORPOR	RATE WAY H 45459-4238		ART UNIT	PAPER NUMBER	
,			2644	53	
			DATE MAILED: 05/05/2004	DATE MAILED: 05/05/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
••	08/472,876	GARCIA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Xu Mei	2644			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tirely within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	nely filed /s will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 31 C	October 2003.				
2a)⊠ This action is FINAL . 2b)□ Thi	s action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) ⊠ Claim(s) 2,5,9,14,15,24,28,31,33-35,37,38,40 4a) Of the above claim(s) is/are withdra 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 2, 5, 9, 14, 15, 24, 28, 31, 33-35, 37, 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/o	awn from consideration. 38, 40, 43-53 is/are rejected.	application.			
Application Papers					
9)☐ The specification is objected to by the Examin	er.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached Office	e Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document * See the attached detailed Office action for a list 	nts have been received. Its have been received in Applicat Ority documents have been receiv au (PCT Rule 17.2(a)).	ion No ed in this National Stage			
Attachment(s)					
1) Notice of References Cited (PTO-892)	4) Interview Summary				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 	Paper No(s)/Mail D 5) Notice of Informal 6) Other:	Pate Patent Application (PTO-152)			

Application/Control Number: 08/472,876

Art Unit: 2644

DETAILED ACTION

- 1. This communication is responsive to the applicant's Response to Decision on Appeal dated 8/25/2003.
- 2. Claims 2, 5, 9, 14, 15, 24, 28, 31, 33-35, 37, 38, 40 and 43-53 (all the remaining claims) are rejected by the BPAI under 35 U.S.C. 112, first and second paragraphs as in Paper No. 51.
- 3. Applicant's arguments filed 10/31/2003 have been fully considered but they are not persuasive.

The applicant's argument regarding "the reference frequency" is considered, however, it's deemed not persuasive since the claim does not expressly define the term "reference frequency", or there is any guidance in the disclosure for ascertaining what the "reference frequency" may be. Applicant's argued that the "reference frequency" is simply a term used to refer to the frequency at which the harmonic enhancement begins for the high frequency enhancement and where low frequency enhancement ends (last paragraph on page 8 of the Remark). However, the term "reference frequency" is not being specifically defined in the claim or being provided with explanation in the disclosure to explain what the "reference frequency" may be.

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The applicant's argument regarding "the enhanced audio signal" is considered, however, it's deemed not persuasive since the term "the enhanced audio signal" as explained by the applicant "may involve a degree of human subjective" (page 9, 3rd paragraph of the Remark) and this is clearly implies that human decisions is involve and leading the claim fails to properly set out the metes and bounds under instant claimed language. Applicant also argued the term "perceptively improved" that "such a perceptible improvement does not involve a significant amount of human subjectivity" (page 9, last paragraph of the Remark). This is deemed not persuasive. The "perceptively improved" harmonic quality and sound source separation is also clearly involves human decision to decide weather or not the output sound is being "perceptively improved". This also leading the claim fails to properly set out the metes and bounds under instant claimed language.

As these are the totality of arguments presented, and they have been found unpersuasive, the existing rejection by the BPAI under 35 U.S.C. 112, first and second paragraphs is deemed appropriate.

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4. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Xu Mei whose telephone number is 703-308-6610. The examiner can normally be reached on Monday-Friday (9:30-6:00), alternate Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Forester W Isen can be reached on 703-305-4386. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Xu Mei

Primary Examiner Art Unit 2644 04/21/2004 Page 5